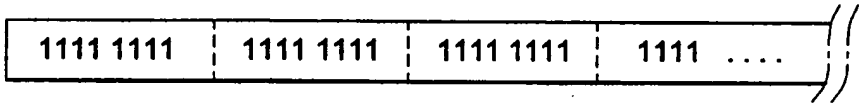

FIG. 1A
(Prior Art)

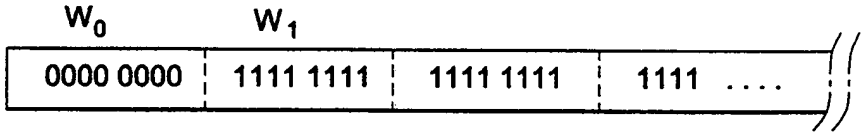

FIG. 1B
(Prior Art)

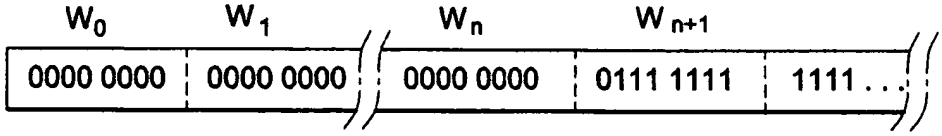

FIG. 1C
(Prior Art)

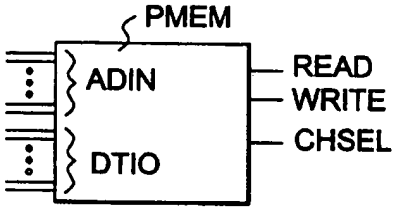

FIG. 2A
(Prior Art)

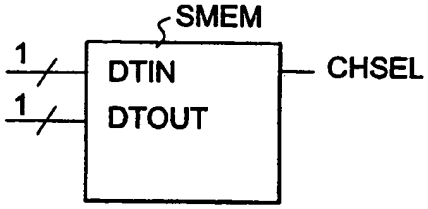

FIG. 2B
(Prior Art)

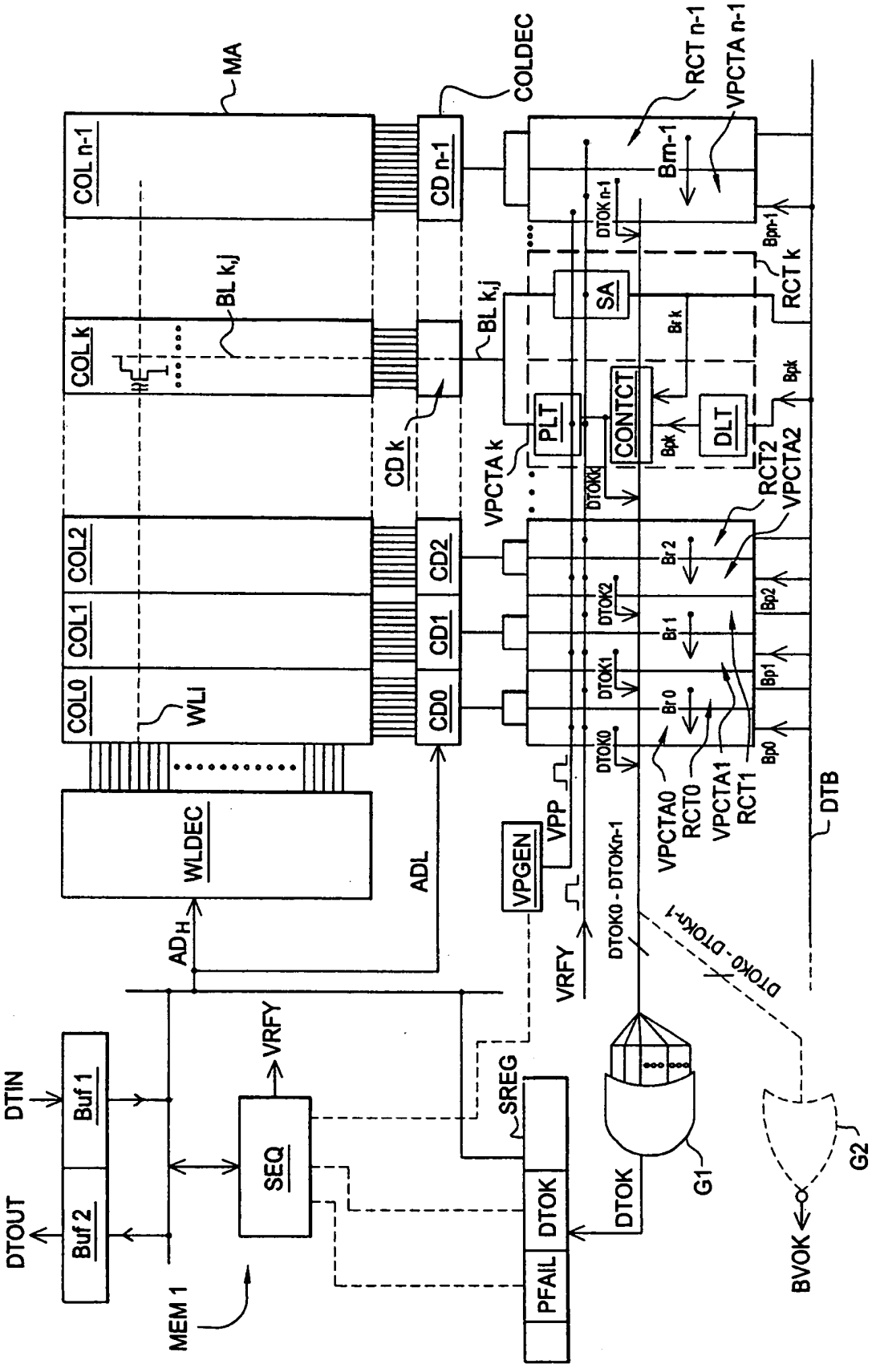
MA
COLDEC
COL n-1
CD n-1
BL k,j
COL k
CD k
COL2
COL1
COL0
CD2
CD1
CD0
WLi
WLDEC
ADL
ADH
VPCTA k
PLT
CONTCT
DLT
SA
Bm-1
RCT n-1
VPCTA n-1
Br k
Bpk
RCT k
RCT2
VPCTA2
Br 2
Br 1
Br 0
Bp2
Bp1
Bp0
DTOK n-1
DTOK2
DTOK1
DTOK0
VPCTA0
RCT0
VPCTA1
RCT1
DTB
VPGEN
VPP
VRFY
DTOK0 - DTOKn-1
SREG
SEQ
DTIN
DTOUT
Buf 1
Buf 2
MEM 1
PFAIL
DTOK
G1
G2
BVOK

FIG. 3

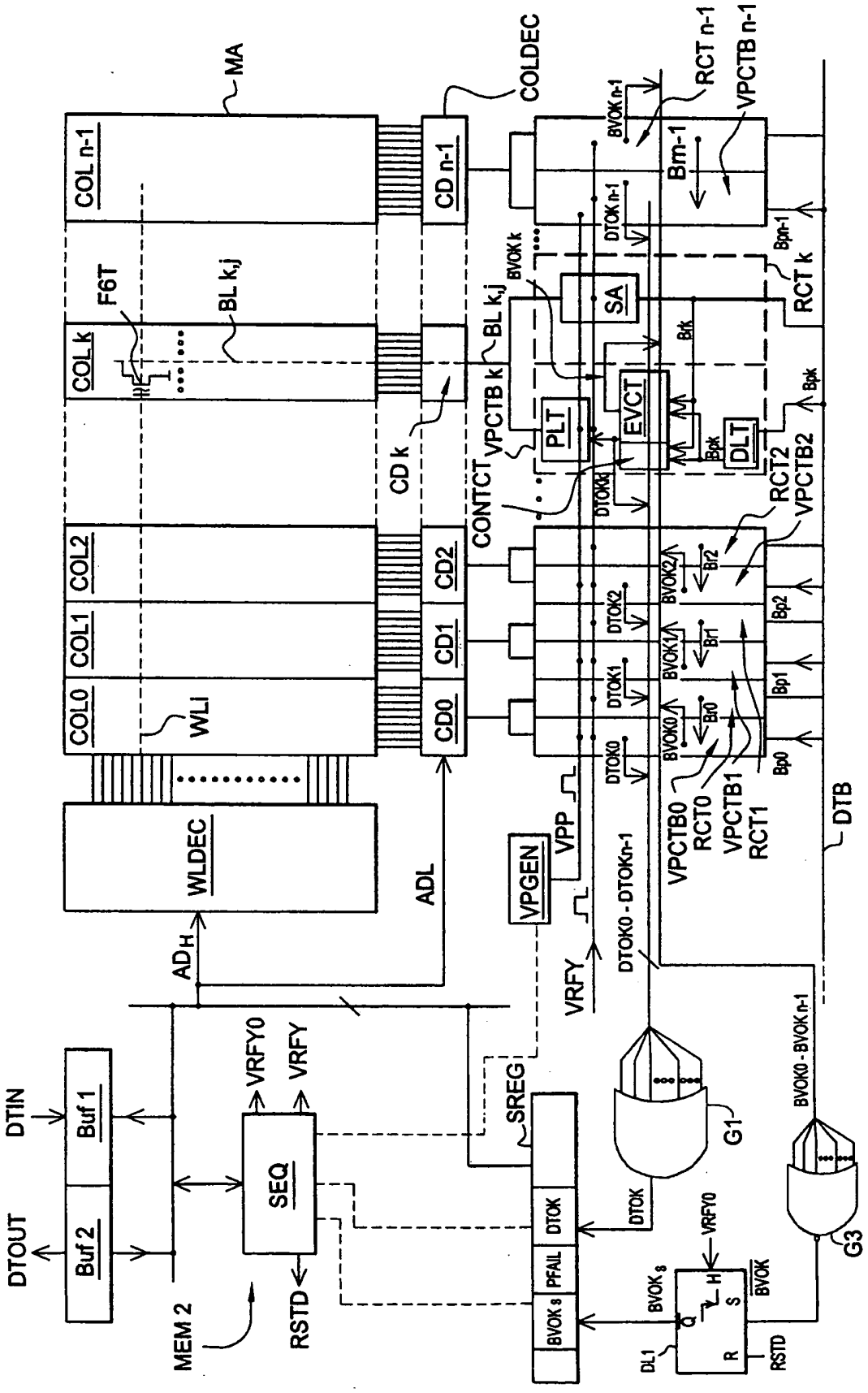
MA
COL n-1
COL k
COL2
COL1
COL0
F6T
BL k,j
WLi
CD n-1
CD k
CD2
CD1
CD0
COLDEC
CONTCT
WLDEC
ADL
ADH
VPCTB k
PLT
EVCT
DLT
SA
BVOK k
DTOK k
Bpk
Brk
RCT k
Bpn-1
Bm-1
RCT n-1
VPCTB n-1
BVOK n-1
DTOK n-1
RCT2
VPCTB2
Br2
Bp2
Br1
Bp1
Br0
Bp0
VPCTB0
RCT0
VPCTB1
RCT1
DTB
VPP
VPGEN
VRFY
DTOK0 - DTOKn-1
BVOK0 - BVOKn-1
G1
G3
DTIN
DTOUT
Buf 1
Buf 2
SEQ
VRFY0
VRFY
SREG
DTOK
PFAIL
BVOK s
MEM 2
RSTD
DL1
H
S
R
Q
BVOK

FIG. 4

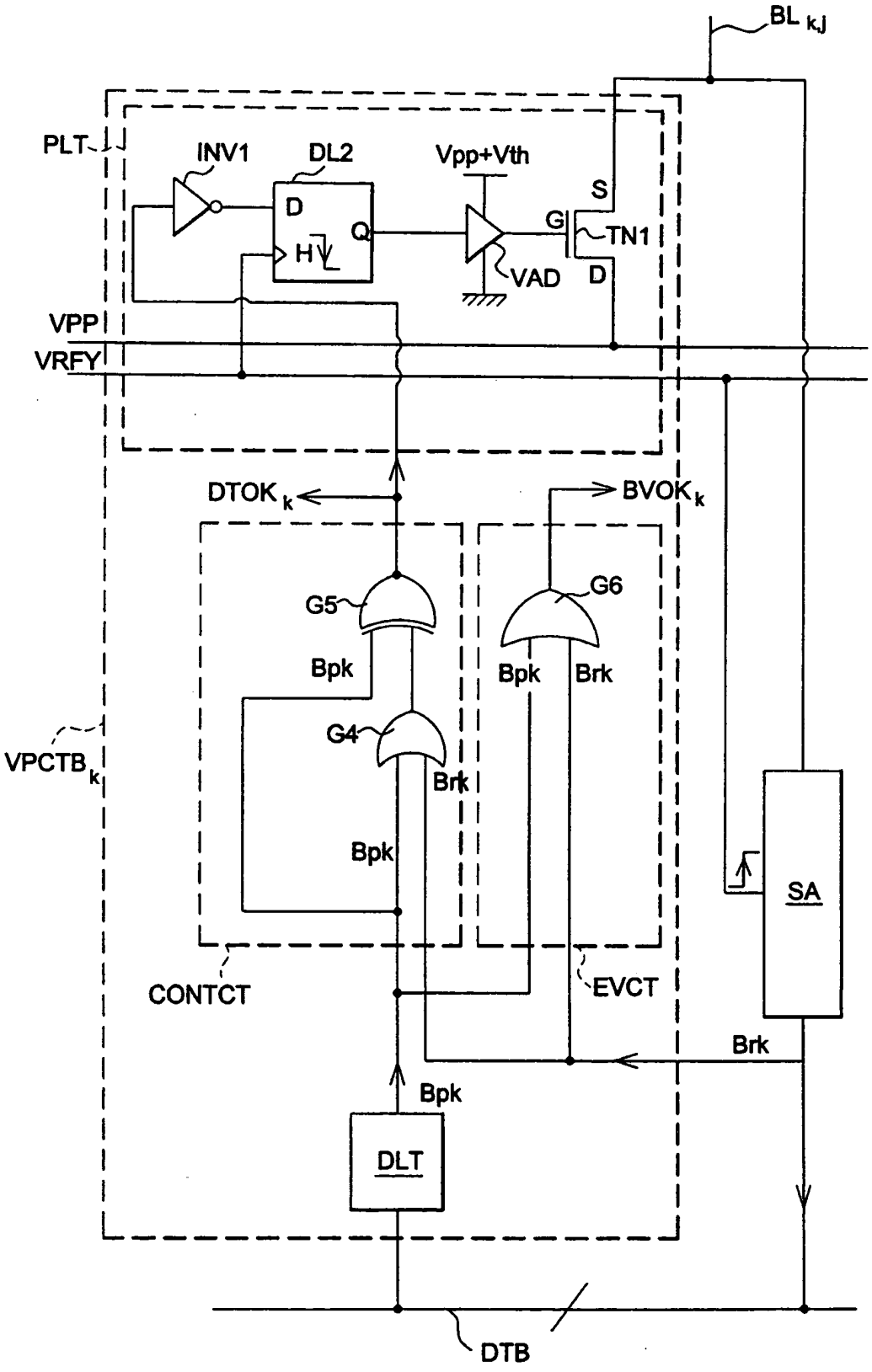
BL kJ
PLT
INV1
DL2
D
Q
H
Vpp+Vth
S
G
TN1
VAD
D
VPP
VRFY
DTOK k
BVOK k
G5
G6
Bpk
Bpk
Brk
G4
Brk
Bpk
VPCTB k
SA
CONTCT
EVCT
Brk
Bpk
DLT
DTB

FIG. 5

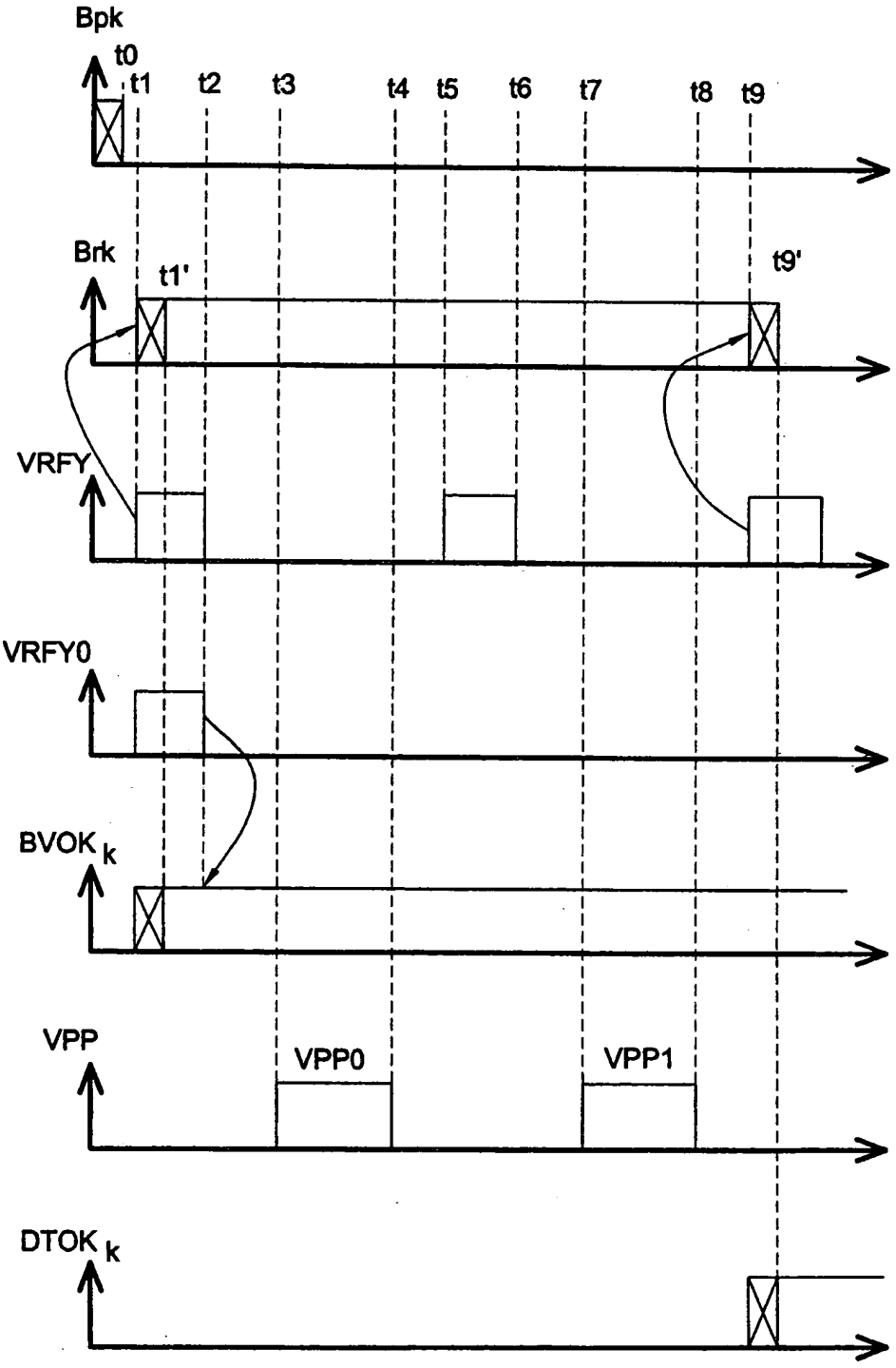

FIG. 6A

FIG. 6B

FIG. 6C

FIG. 6D

FIG. 6E

FIG. 6F

FIG. 6G